



Exceed™ Tough

Exceed™ Tough PP8285E1 from ExxonMobil Signature Polymers was featured in a live wheel arch demonstration at Haitian's booth during K 2025



Step-out impact and stiffness balance



Cost effectiveness



Formulation design flexibility

Data and results presented herein apply specifically to the noted application under this machine run sheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

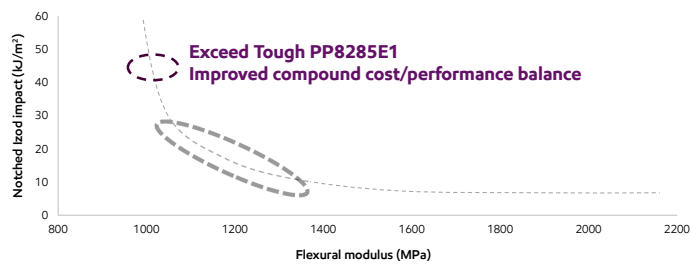
Exceed™ Tough PP8285E1 from ExxonMobil Signature Polymers was featured in a live wheel arch demonstration at Haitian's booth during K2025.

Compared to standard ICP, Exceed Tough PP8285E1 demonstrates improved balance of compound cost and performance. It offers 35% higher impact and 20% improved toughness.

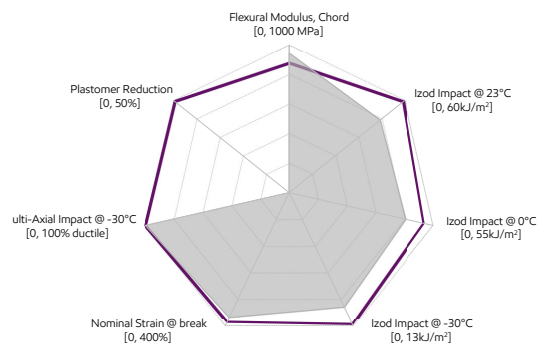
Read the factsheet



Graph 1: Exceed Tough PP8285E1 neat resin comparison



Graph 2: Exceed Tough PP8285E1 compound formulation comparison



Test item	Typical value	Test method based on
Melt Flow Rate (MFR) @230°C/2.16g	30g/10min	ASTM D1238
Flexural modulus @2mm/min	1020 MPa	ISO 178
Notched Izod impact strength @ 23°C	46 kJ/m²	ISO 180/1A

Exceed Tough PP8285E1 compound formulation uses 10% plastomer, vs 20% plastomer in a standard compound formulation, enabling the reduction of 50% plastomer not only to simply formulations, but also to provide significant cost saving opportunities.



Haitian International

Haitian International is a global leader in the development and manufacturing of electric and servo-hydraulic injection molding machines. With over 53,000 machines delivered in 2024 and a strong brand portfolio (Haitian, Zhafir, Niigata), the company covers nearly all areas of plastics processing. Haitian has nearly 60 years of manufacturing expertise, full in-house production of all key components, and a strong global footprint with six international headquarters and a presence in over 130 countries.

Haitian Jupiter Series with Integrated Film Insert Molding

Recyclate Meets Surface Class

The Jupiter two-platen machine showcases a fully integrated process for visible automotive parts made from recycled PP – no painting, no trimming, no downstream processing. A decorative film is bonded in-mold, delivering ready-to-install parts. Compact, precise, and smart – with real-time monitoring and HT·Inject for consistent results.



The new generation 5

- 20-40% energy saving with electrical charging
- Improved plasticizing components and durability.
- HT·XTEND smart features as standard.
- High-response servo drive with fast, dynamic custom power system
- New UI large-screen panel and powerful control

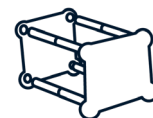
Clamping Unit
4,500 – 88,000 kN



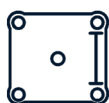
Injection Volume
848 – 134,303 cm³



Max. Daylight
1400 – 7000 mm



Tiebar Distance
810×810 –
3400×2820 mm



Controller
KEBA



Screw Diameter
60 – 300 mm

