Asia Pacific portfolio

High performance impact copolymer polypropylene resins

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ExxonMobil™ impact copolymer polypropylene (ICP PP) resins are designed to meet the demanding performance requirements for automotive, appliance, rigid packaging, consumer and industrial applications.

ExxonMobil™ PP8285E1 ICP resin

- Nucleated 30MFR resin with strong impact performance with balanced stiffness
- Enhances automotive compound performance
- Offers opportunity to reduce plastomer loading in compound formulation
- Available in North America and Asia Pacific to simplify qualification process

ExxonMobil PP7555KNE2 ICP resin

- Nucleated high MFR resin with balanced stiffness and impact performance
- A popular grade in automotive compound basestocks and TWIM (thin wall injection molding) food packaging
- Excellent flow, low odor and easy mold release properties

ExxonMobil™ ICP PP resin grades

Grades	Typical Applications	MFR (230°C, 2.16 kg) ASTM D1238 g/10 min	Tensile strength at yield (51 mm/min) ASTM D638 MPa	Elongation at yield (51 mm/min) ASTM D638 %	Flexural modulus 1% secant (1.3 mm/min) ASTM D790A MPa	Gardner impact geometry GC (-29°C, 3.18mm) ASTM D5420 J	Notched izod impact (23°C) ASTM D256A J/m	HDT (0.45 MPa, unannealed) ASTM D648 °C	HDT (0.45 MPa, annealed) ASTM D648 °C
AP3AW	**a**	10	27.1	5.6	1340	18.1	90	99	116
AP3N	**b**	10	28.8	5.0	1480	18.0	96	114	123
AP03B	**b**	30	26.6	5.0	1310	17.3	72	105	119
PP8285E1	**c**	30	20.3	5.7	993	33.0	NB*	92	--
PP7555KNE2	**c**	50	25.4	4.6	1340	16.6	94	105	119
PP7032E3	**d**	4	23.9	7.3	1100	30.8	NB*	89	113
PP7032KN	**e**	4	26.1	5.5	1340	29.6	NB*	97	--
PP7033E3	**d**	8	23.9	6.5	1140	28.1	280	90	114
PP7033N	**f**	8	25.9	5.2	1360	22.5	210	100	--

a Battery cases. Parts requiring good UV stability
b Washing machine components, vacuum cleaners, electric fans, automotive compounding basestocks
c Thin-wall food containers, automotive or appliance compounding basestocks, large appliance components
d Furniture, housewares, juvenile products, toys, luggage parts, industrial pails, battery cases
e Heavy duty pallets, crates, floor mats, toys, sporting goods
f Baby car seats, toys, luggage parts
* No Break

NOTE: Values given are typical and should not be interpreted as specifications.
Density is 0.9 for all of the above grades (ExxonMobil method, g/cm^3).

Contact us for more information:
exxonmobilchemical.com/pp

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