

Product Texts

M312 is a Heterophasic Polypropylene Impact Copolymer produced by the Spheripol Technology.

M312 combines excellent processability with high Flow, low Cycle Time, good Impact – Stiffness balance and good Gloss.

M312 is recommended for Injection Molded Automotive Components, Housewares, Luggage, Paint Pail, Compounds.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	23	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Flexural Modulus	950	MPa	ASTM D 790
Izod Impact notched, 1/8 in	120	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	88	°C	ASTM D 648
Vicat Temperature	145	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	30 - 40	°C	-
Zone 1	160 - 250	°C	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Features

High Gloss, Copolymer, Impact Copolymer

Regional Availability

Asia Pacific