

Ashley Polymers Ashlene® PC/ABS Alloy 305

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

General purpose high gloss with high impact, good low temperature properties and high heat resistance.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-PCABS-Alloy-305.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
High Load Melt Index	6.5 g/10 min @Load 21.6 kg, Temperature 260 °C	6.5 g/10 min @Load 47.6 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	113	113	ASTM D785
Tensile Strength, Ultimate	54.0 MPa	7830 psi	ATSM D638
Elongation at Break	77 %	77 %	ASTM D638
Flexural Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	5.66 J/cm	10.6 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ASTM D648

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