

$\mathbf{ExxonMobil}^{\mathsf{TM}} \mathbf{PP}$

PP7032E3 Copolymer Grade for Injection Molding

Description

Super high impact copolymer resin for general purpose injection molding of consumer goods, battery cases and industrial goods. No interaction with light stabilizers.

Resin Properties	ASTM		ISO	
	Method	Typical Values ¹	Method	Typical Values
Melt Flow Rate (230°C/2.16kg)	D 1238	4.0 g/10min		
Density	D 792	0.91 g/cm ³		
Mechanical Properties				
Tensile Strength @ Yield	D 638	25 MPa		
(2in/min, 50mm/min)				
Elongation @ Yield	D 638	7 %		
(2in/min, 50mm/min)				
Flexural Modulus, 1% Secant	D 790A	1138 MPa		
(0.05 in/min, 1.3mm/min)				
Flexural Modulus, 1% Secant	D 790B ²	1317 MPa		
(0.50 in/min, 13mm/min)				
Flexural Modulus, 0.05-0.25% Chord			178	967 MPa
(0.08 in/min, 2mm/min)				
Izod Impact Strength	D 256	No break	180-1A	38.6 KJ/m ²
Notched, @ 23°C (73°F)	Method A			(Partial break)
Gardner Impact Strength	D 5420			
0.125 in (3.2mm) thick disk	Geometry	28 J		
@ -29°C (-20°F)	GC			
Instrumented Impact Strength @ -30°C			ISO 6603-2	16 J
(2mm thick plaque)				
Thermal Properties				
Heat Deflection Temperature	D 648	97 °C	75-2	84°C
@ 66psi, 455KPa				
Typical Processing Temperature		200 - 250°C		

2. Data provided as information only.

Values by ISO and ASTM methods have no direct correlation.

FDA Status

For applications requiring FDA certification, please contact your ExxonMobil representative for compliance information.

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