

Technical Data Sheet

Category: Polypropylene

Product name: EP440L

Description: EP440L is a medium ow heterophasic polypropylene copolymer with improved mechanical properties balance.The product features high stiffness and out standing impact strength at low temperatures and is specially designed for injection molding applications. In comparison with conventional copolymers with the same MFR and same rigidity, EP440L,exhibits 35%higher toughness.

Processing Method: Injection molding

Features: High impact strength, High stiffness, Heterophasic copolymer

Typical Applications: Packaging,automotive and consumer goods industries Luggage,paint pails,buckets Containers,crates,batteries and largetoys

Characteristics:

Property	Value	Unit	(Test Method)
Typical Properties			
Melt Flow Rate(230°C, 2.16kg)	6.0	g/10min	ASTMD
Density	0.9	g/m ³	ASTMD1505
Mechanical			
Flexural Modulus	1400	MPa	ASTMD790
Tensile Strength at Yield	26	MPa	ASTMD638
Tensile Elongation at yeild	9	%	ASTMD638
IzodImpactStrength(notched)at23°C	170	J/ m	ASTMD256
IzodImpactStrength(notched)at-20°C	70	J/ m	ASTMD256
Shorehardness(ShoreD)	68	---	ISO868
Thermal			
Vicatsofteningpoint(10N)	152	°C	ASTMD1525
H.D.T.(0.46Mpa)	95	°C	ASTMD648
Acceleratedovenageinginairat150°C	360	hours	ASTMD3012

