



PP 440L

PP Impact Copolymer · Injection Moulding Grade

Also traded as EP440L · Origin: Iran

MFR (230 °C / 2.16 KG)

6 g/10 min

DENSITY

0.90 g/cm³

PROCESS

Injection

IZOD (23 °C)

500 J/m

PRODUCT DESCRIPTION

PP 440L is a medium-flow heterophasic copolymer with an improved balance of mechanical properties: high stiffness and outstanding low-temperature impact strength for injection moulding. It delivers about 35% higher toughness than conventional copolymers of the same MFR and rigidity.

- High stiffness
- Outstanding low-temp impact
- ≈ 35% higher toughness
- Heterophasic copolymer

PROCESSING GUIDE

Process	Injection moulding
Melt temperature	210 – 260 °C
Mould temperature	20 – 50 °C
Form	Natural pellets

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (230 °C / 2.16 kg)	ASTM D1238	g/10 min	6
Density	ASTM D1505	g/cm ³	0.90
MECHANICAL			
Flexural Modulus	ASTM D790	MPa	1200
Tensile Strength at Yield	ASTM D638	MPa	23
Tensile Elongation at Yield	ASTM D638	%	5
Izod Impact, notched (23 °C)	ASTM D256	J/m	500
Izod Impact, notched (–20 °C)	ASTM D256	J/m	60
THERMAL			
Vicat Softening Point (B/120)	ASTM D1525	°C	145
HDT (0.45 MPa)	ASTM D648	°C	87
Oven Ageing in Air (150 °C)	ASTM D3012	h	360

APPLICATIONS



Paint Pails & Buckets



Crates & Containers



Battery Cases



Luggage & Large Toys

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

Scan to request a quote for PP 440L on WhatsApp.

+98 912 640 4020

◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

PHONE
+98 21 25903
+98 21 2611 6515

WHATSAPP
+98 912 640 4020
+98 912 859 5812

OFFICE
Pasdaran, Tehran
Iran

WEB
en.rabinpolymer.com
/product/pp-440l/