

Moplen EPS30U

Polypropylene Copolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPS30U is a hetrophasic polypropylene copolymer. Moplen EPS30U combines extremely high impact strength with excellent processing characteristics. Moplen EPS30U is designed for applications where very high toughness is a primary requirement. Typical applications of Moplen EPS30U are crates, paint pails, heavy-duty packaging.

General Information			
Features	Copolymer		
	Good Processability		
	Good Toughness		
	High Impact Resistance		
Uses	Crates		
	Packaging		
	Pails		
Processing Method	Cast Film		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1050	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	80	J/m	
23°C	> 500	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.0	°C	ASTM D648
Vicat Softening Temperature	146	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

