Moplen EP300K

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP300K is a medium flow, hetrophasic polypropylene copolymer mainly designed for injection moulding applications. Moplen EP300K combines good process ability with very high impact and good stiffness. Because of its high mechanical properties, Moplen EP300K is widely used for injection moulding
medium sized containers, buckets, pails, transport crates and crates for cold storage.
Other typical applications of Moplen EP300K are injection moulded components for small appliances, component for industrial applications and parts for the automotive industry (e.g. wheel arch liners, steering wheels and interior parts). Moplen EP300K is further suitable for house wares, seats, chair shells, toys,
suitcases and small packaging items.
Thermoforming multilayer container for dairy products is also an important application of Moplen EP300K.
* Moplen EP300K is suitable for food contact.

General Information	
Features	Rigid, good
	Copolymer
	Impact resistance, high
	Workability, good
	Medium liquidity
	Compliance of Food Exposure
Uses	Large household appliances and small household appliances
	Industrial application
	Household goods
	Leather case
	Application in Automobile Field
	Car interior parts
	Automotive exterior parts
	Thermoformed container
	Container
	Barrel
	Toys
	Loading box
	Seat
Processing Method	Thermoforming
	Injection molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-20°C	40	J/m	ASTM D256
23°C	100	J/m	ASTM D256
Aging	**Nominal Value**	**Unit**	**Test Method**
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 [1]
NOTE			
1.	压 力1 (10N)		

Recommended distributors for this material

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