

DuPure[®] SH 76

Polypropylene Heterophasic Copolymer

Description

DuPure SH 76 is a nucleated heterophasic copolymer (produced with a phthalate-free catalyst), suitable for injection moulding- & extrusion applications. The product combines a good stiffness with excellent impact strength.

Applications

DuPure SH 76 is suitable for: general injection moulding, (sheet-)extrusion/thermoforming.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site <http://www.ducorchem.com>.

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230 °C / 2.16 kg)	ISO 1133	4.2	g/10 min
Mechanical				
Tensile Modulus	(1 mm/min)	ISO 527-2	1350	MPa
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	28	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	5.0	%
Tensile Strain at Break	(50 mm/min)	ISO 527-2	>50	%
Charpy Impact Strength, notched	(+23 °C)	ISO 179/1eA	15	kJ/m ²
	(-20 °C)	ISO 179/1eA	4.7	kJ/m ²
Charpy Impact Strength, unnotched	(+23 °C)	ISO 179/1eU	NB	kJ/m ²
	(-20 °C)	ISO 179/1eU	105	kJ/m ²
Izod Impact Strength, notched	(+23 °C)	ISO 180/1A	14	kJ/m ²
	(-20 °C)	ISO 180/1A	4	kJ/m ²
Melting Point, DSC		ISO 3146	165	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	93	°C
Vicat Softening Temperature	(10 N)	ISO 306	152	°C
Other Properties				
Density		ISO 1183	0.91	g/cm ³

* Typical values; not to be construed as specifications

Ducor Petrochemicals B.V., POB 1038, 3180AA Rozenburg ZH, the Netherlands

Last updated: August 2024

Web: <http://www.ducorchem.com/>

Email: sales@ducorchem.com

The information contained herein is to our knowledge accurate and reliable as of the date of publication. Ducor Petrochemicals extends no warranties and makes no representations as to the accuracy or completeness of the information contained herein and assumes no responsibility regarding the consequences of its use or for any printing errors. Our products are intended for sale to industrial and commercial customers. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is also responsible for the appropriate, safe and legal use, processing and handling of our products.