HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Moplen HP564R

Polypropylene, Homopolymer

Product Description

LyondellBasell Australia's Polypropylene grade HP564R is a high flow homopolymer. HP564R has been designed for the production of fine to medium denier fibres and has the exceptional colour stability required for such textile applications. It is known that certain stabilisers in polypropylene can react with the spinning lubricants used when the fibres are processed. This may cause a light-fugitive discolouration of the fibres. HP564R contains additives that minimise the risk of discolouration reactions of this nature, however it is recommended that trials are progressed to establish suitability for each specific process. HP564R also contains a HALS UV stabilisation additive.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Good Color Stability, High Flow , Homopolymer, Good UV Resistance
Typical Customer Applications	Staple Fiber

Typical Properties	Method	Value	Unit
Physical			
Density (Method D)	ISO 1183	0.90	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25	g/10 min
Mechanical			
Flexural modulus	ISO 178	1350	MPa
Tensile stress at yield	ISO 527	30.0	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	1.6	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	71	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	70	°C

Additional Properties

Not suitable for the production of articles for food contact use. If specific legal or official approvals are required, eg medical applications, or information is needed on other applications, you should contact Basell Australia.

Notes

Typical properties; not to be construed as specifications.