

SKYi Stark EH2118

Provisional Data Sheet: PET LFT Specialized grade

Description:

SKYi Stark EH2118 is a special PET-35% Long glass Fibre Thermoplastic grade for injection moulding.

SKYi Stark EH2118 is available both in black and natural.

Applications:

SKYi Stark EH2118 is intended for injection moulding of technical applications.

The excellent properties of **SKYi Stark EH2118** make it suitable for: Electrical components, automotive parts, interior, exterior and under the bonnet, structural furniture parts, load bearing, demanding components for various engineering sectors.

SKYi Stark EH2118 can, in many of these applications, substitute other engineering plastics or metal alloys.

Product Characteristics

SR. NO.	PROPERTIES	TEST METHOD	UNITS	VALUES
A	PHYSICAL			
1	Specific gravity		g/cc	1.63
2	Moisture absorption		%	0.35-0.40
B	MECHANICAL			
1	Tensile strength at break	ISO 527-I	MPa	192
2	Elongation at Break	ISO 527-I	%	2.3
3	Flexural Strength	ISO 178	MPa	260
4	Flexural Modulus	ISO 178	MPa	12000
5	Charpy Impact Test- Notched	ISO 179-I	kJ/m ²	15
C	THERMAL			
1	HDT (At 0.45MPa)	ISO 75-I	°C	>250

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Storage and Handling:

SKYi Stark EH2118 should be stored in dry conditions at temperatures 120°C for 2hrs. Improper storage can initiate degradation with resulting odour generation and colour changes.

Processing Guidelines: TEMPERATURES- Barrel Zones

Material	Feed section (°C)	Nozzle(°C)	Melt temperature (°C)	Mold temperature (°C)
LFT GF-PP	255-285	280-290	220-280	40 – 60

Safety:

SKYi Stark EH2118 is not classified as a dangerous preparation. Dust and fines from the product may give a risk for dust explosion. All equipment should be properly earthed. Inhalation of dust may irritate the respiratory system and should be avoided. During processing of the product small amounts of fumes are generated, which require proper ventilation.

Recycling:

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling. The Materials Safety Data Sheet is available on request. Please contact your SKYi representative for more details on various aspects of safety, recovery and disposal of the product.

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