

FÁBRICA / FACTORY

Polígono Industrial Valle del Cinca
22300 Barbastro – Huesca – SPAIN
T: +34 974 308 360 ; F: +34 974 313 927

OFICINA CENTRAL / HEAD OFFICE

Pº Independencia, 21, 3º
50001 Zaragoza – SPAIN
T: +34 976 216 129 ; F: +34 901 021 138



TECHNICAL DATA SHEET

NOVAPET SPRIT H11

Medium molecular weight polyethylene terephthalate (PET) resin:

- Intended for direct injection of clear parts.
- Transparent and glossy.
- Excellent mechanical properties.
- 100% recyclable.

Typical applications for SPRIT H11 include:

- Moulded containers for Food & Personal care.
- Food Packaging: comply with EU Regulations 1935/2004 & 10/2011 as well as with US FDA CFR 21 § 177.1630 (f).

<u>CHARACTERISATION</u>	Test method	Unit	Typical Value
Pellet Shape / Size	-	mm	Cylindrical (oval section) 2.8 x (2.8 x 2.0)
Bulk Density (poured)	B4 01 35	kg/m ³	890
Moisture content (KF titration)	B4 01 15	%	< 0.4
Intrinsic Viscosity (capillary viscometry)	ISO 1628	dl/g	0.80
Specific Gravity (Mettler Toledo's density kit)	B4 01 21	g/cm ³	1.39
Crystalline Peak Melting Point (DSC)	B4 01 01	°C	241 ± 5°C
Melt Flow Index MFI (285°C – 2.16kg)	ISO 1133	g/10min	36
Heat Deflection Temperature HDT (1.8MPa)	ISO 75	°C	65 ± 2
Mould Shrinkage	-	%	0.5
<u>MECHANICAL PROPERTIES</u>			
Tensile Modulus	ISO 527-2	MPa	2600
Tensile Yield Strength	ISO 527-2	MPa	60
Tensile Elongation at break	ISO 527-2	%	> 50
Flexural Modulus	D 790 / ISO 178	MPa	2505
Flexural Yield Strength	D 790 / ISO 178	MPa	86
Impact Charpy (notched), 23°C	ISO 179/1eA	kJ/m ²	3.5
Impact Charpy (notched), -30°C	ISO 179/1eA	kJ/m ²	2.9
<u>THERMAL PROPERTIES</u>			
Heat Deformation Temp. (HDT 1.8 MPa)	ISO 75-1	°C	69.2

1 January 2020