Rindi-polimeri spa
distributore granuli termoplastici

Teknoplen
compounds

Management System ISO 9001:2008
TÜVRheinland CERTIFIED
www.tuv.com ID 9105081809

R PP FROM PRE-CONSUMPTION / POST-CONSUMPTION FOR INJECTION MOULDING / FOR EXTRUSION issued according to UNI 10667-3 law

PP TEKNOPLEN

Phisical Properties	*Test Method*	*Unit*	*Typical Value*
Density 23°C	ISO 1183	g/cm^3	
MFR - Melt Flow fate (230°C - 2.16 Kg)	ISO 1133	g/10'	± 20%
Mold Shrinkage	ISO 294-4	%	
Determination of ash	ISO 3451	%	

Mechanical Properties			
Flexuarl Modulus (2mm/min at 23°C)	ISO 178	MPa	± 10%
Flexural Tensile Stress at Yield at 23°C	ISO 178	MPa	
Tensile Stress at Yield 23 °C (5mm/min at 23°C)	ISO 527	%	
Tensile Stress at Break 23°C (5mm/min at 23°C)	ISO 527	%	
Tensile Stress at Yield (5mm/min at 23°C)	ISO 527	MPa	± 10%
Tensile Strain at Break (5mm/min at 23°C)	ISO 527	MPa	± 10%
Tensile Strenght (1mm/min)	ISO 527	MPa	± 10%
Hardness SHORE D 15"	ISO 868	-	
Notched impact IZOD 23°C	ISO 180/1A	KJ/m^2	
Notched impact IZOD -20°C	ISO 180/1A	KJ/m^2	± 10%
Notched impact IZOD -40°C	ISO 180/1A	KJ/m^2	

Thermal properties			
HDT Af - 1.80 MPa	ISO 75-2	°C	
VICAT softening temperature	ISO 306	°C	
A/50 10N	ISO 306	°C	± 3%
B/50 50N	ISO 306	°C	
A/120 10N	ISO 306	°C	
B/120 50N	ISO 306	°C	

DENSITY CLASS (G/CM3):
1: ≤ 0,92 for uncharged material;
2: > 0,92 for charged material.

Reported datas are to be considered typical and confidential. Before using this product or for any further assistance please contact our technical customer service.

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R PP DA PRE-CONSUMO / POST CONSUMO
PER STAMPAGGIO AD INIEZIONE / PER ESTRUSIONE
redatta in conformità alla Norma UNI 10667-3

PP TEKNOPLEN

Caratteristiche fisiche	*Norma*	*Unità di Misura*	*Valore*
Peso specifico 23°C	ISO 1183	g/cm^3	
MFR - indice di fluidità (230°C - 2.16 Kg)	ISO 1133	g/10'	± 20%
Ritiro allo stampaggio (parallelo-normale)	ISO 294-4	%	
Residuo alla calcinazione	ISO 3451	%	

Caratteristiche meccaniche			
Modulo Elastico a Flessione (2mm/min a 23°C)	ISO 178	MPa	± 10%
Carico di Snervamento a Flessione a 23°C	ISO 178	MPa	
Allungamento a snervamento (5mm/min a 23°C)	ISO 527	%	
Allungamento a rottura (5mm/min a 23°C)	ISO 527	%	
Carico di snervamento (5mm/min a 23°C)	ISO 527	MPa	± 10%
Carico di rottura (5mm/min a 23°C)	ISO 527	MPa	± 10%
Modulo Elastico a trazione (1mm/min)	ISO 527	MPa	± 10%
Durezza SHORE D 15''	ISO 868	-	
Resilienza IZOD con intaglio 23°C	ISO 180/1A	KJ/m^2	± 10%
Resilienza IZOD con intaglio -20°C	ISO 180/1A	KJ/m^2	
Resilienza IZOD con intaglio -40°C	ISO 180/1A	KJ/m^2	

Caratteristiche termiche			
HDT Af - 1.80 MPa	ISO 75-2	°C	
Gradi di rammollimento VICAT	ISO 306	°C	
A/50 10N	ISO 306	°C	
B/50 50N	ISO 306	°C	
A/120 10N	ISO 306	°C	
B/120 50N	ISO 306	°C	

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