

**Product Texts**

Common features of Zytel® nylon resin include mechanical and physical properties such as high mechanical strength, excellent balance of stiffness and toughness, good high temperature performance, good electrical and flammability properties, good abrasion and chemical resistance. In addition, Zytel® nylon resins are available in different modified and reinforced grades to create a wide range of products with tailored properties for specific processes and end-uses. Zytel® nylon resin, including most flame retardant grades, offer the ability to be coloured.

The good melt stability of Zytel® nylon resin normally enables the recycling of properly handled production waste. If recycling is not possible, we recommend, as the preferred option, incineration with energy recovery (-31 kJ/g of base polymer) in appropriately equipped installations. For disposal, local regulations have to be observed.

Zytel® nylon resin typically is used in demanding applications in the automotive, furniture, domestic appliances, sporting goods and construction industry.

**Zytel® FE270046 is a 30% glass fiber reinforced high performance polyamide resin for injection molding.**

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Ejection temperature	210	°C	-
<sup>[C]</sup> : CAMPUS			

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	7500 / 6000	MPa	ISO 527
<sup>[C]</sup> Stress at break	140 / 100	MPa	ISO 527
<sup>[C]</sup> Strain at break	3.1 / 4.5	%	ISO 527
<sup>[C]</sup> : CAMPUS			

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	259 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> : CAMPUS			

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Density	1360 / -	kg/m <sup>3</sup>	ISO 1183
<sup>[C]</sup> : CAMPUS			

Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Viscosity number	120 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628
<sup>[C]</sup> : CAMPUS			

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Europe

**Delivery form**

Pellets, Black