



## TECHNICAL FEATURES OF DECOLUX MOULDINGS



<i>Material</i>	<i>High Density Foamed Polystyrene - HDPS (%99)</i>
<i>Density</i>	<i>420 - 470 kg/m<sup>3</sup> (DIN53479/ISO1183)</i>
<i>Flexural Strength</i>	<i>9,1±0,5 MPa (DIN53457)</i>
<i>Hardness</i>	<i>60 Shore D (DIN53505/ISO868)</i>
<i>Ozone Depletion Factor</i>	<i>Zero (CFC-free, waterblown)</i>
<i>Melting Temperature</i>	<i>110 - 120 °C</i>
<i>Impact Resistance (IZOD)</i>	<i>6,55 J /m (ASTM D 256-10)</i>
<i>Moisture-Water Absorption</i>	<i>0,09% (ASTM D 570-98)</i>
<i>Prop 65 CARB (USA) position</i>	<i>No need for warning label</i>
<i>VOC (Volatile Organic Compounds)(96 hours)</i>	<i>Zero (VOC-free)</i>
<i>Heat resistance</i>	<i>Max. +70°C</i>
<i>Linear Thermal Expansion Coefficient</i>	<i>50 x 10µm/m°C - 65 x 10µm/m°C</i>
<i>Fire Resistance (without FR)</i>	<i>E Grade</i>
<i>Burn rate (with FR additive)</i>	<i>1,40 mm/min(dk)</i>