

**TECHNICAL DATA SHEET****DESCRIPTION**

PUMA<sup>®</sup> 4020 is an effective low scorching alkyl phosphate flame retardant.

**APPLICATION**

PUMA<sup>®</sup> 4020 is an excellent flame retardant for polyester foams required to meet automotive flammability standards. It provides a combination of low scorch, excellent hydrolytic stability, low fogging and good heat ageing performance. PUMA<sup>®</sup> 4020 is used in flexible and rigid polyurethane foams.

**GUARANTEED VALUES**

Parameter	Value
Chlorine content	49.0% min
Phosphorous content	7.1% min
Water content	0.1% max

**TYPICAL VALUES**

Parameter	Value
Physical State	Colorless
Odor	None
Flash Point (TCC)	252 °C / 486 °F
Specific Gravity (Water = 1)	1.52
Viscosity at 25 °C (77 °F)	1800 mPa.s
Color	70 Hazen max.
Drum net weight	300kg / 661lb

**NOTES**

The information contained herein is, to the best of our knowledge and belief, accurate. We make no guarantee of results and assume no liability for damages incurred by following these suggestions or any other product use. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.